



*If you're a detail-oriented person who can envision objects, distances and sizes, this is the field for you! Survey technicians collect field data to report back to surveyors and map-making professionals.*



## Associate of Applied Science Degree

Credit Hours Required for Graduation:  
Associate of Applied Science Degree: ..... 70.5



### For more information contact:

Jason Adams, Program Director  
402-761-8209, 800-933-7223 ext. 8209  
jadams@southeast.edu

or the College Admissions Office  
Milford 402-761-8243, 800-933-7223 ext. 8243

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A0732 - LSCE (08/19)

## Why SCC?

This is the only land surveying program in Nebraska!

Upon completion of the program, students will qualify for a nine-month work experience toward obtaining their Registered Land Surveyor license.

Land surveying technicians survey the construction of streets, dams, bridges, highways, airports, and parks; survey boundary locations of subdivisions, private property, and commercial property.

Civil CAD drafters create computer drawings of plans for construction, boundaries, plats, maps for all planning, and conventional drawings for small projects.



## Top Career Options

- Land Surveying Technician
- Civil CAD Drafter



## Graduate Earnings

Recent graduates report an average starting wage of \$18.65 per hour.



2019-2020 Tuition/Fee Rate Per Credit Hour	
Nebraska Resident	\$108
Out-of-state tuition/fee rate	\$129

### Estimated Expenses

Tuition/Fees	\$ 7614
Books	1895
Special Fees	135
Tools/Supplies	287

**Total: \$9,931**



## Basic Tools Required

A 10 percent discount will be given at the Campus Store if the items are purchased as a complete set.

- Civil Engineers Scale
- General Pocket Template
- Circle Template
- Legal Size Clip Board
- Field Book (Surveying)
- Materials to draw on are furnished by the school.
- Electronic Calculator w/Trig Functions (HP50G)
- 1 - 16 oz. plumb bob with leather scabbard
- 1 - Standard Size 3-Ring Binder (3")
- 2 - Tablets of graph paper – computation pad (1/4")
- 1 - Vinyl Kit Case
- Gammon Reel w/string (Transit Works)
- 25' Decimal Tape Measure
- Orange Safety Vest
- Pocket Dictionary
- 3 - Wireless 110 Sheet Paper
- 8 GB Kingston Data Travel
- Book: Carr Lane Trigonometry Tables & Handy Conversion Book
- 2 GB SD Card

## General Education Requirements

Contact your program advisor to select general education courses from each category, which will meet your program's graduation requirements. See the General Education pages for a complete list.

(One class from each area below).

GELO #1: Oral Communications	3.0
GELO #2: Written Communications	3.0
GELO #3: Critical Thinking & Problem Solving	
ECON1200 Personal Finance	3.0
GELO #5: Analytical, Quantitative and Scientific Reasoning	
MATH1050 Thinking Mathematically or higher (Recommended)	3.0
GELO #6: Career and Life Skills	
BSAD1010 Microsoft Applications I (Recommended)	3.0
	15.0 hours

Please note: It is optional for students to purchase their own laptop, software and accessories. A list of recommended products is available with the program director or the College Admissions Office.

## Required LSCE Courses

Course #	Course title	Credit hrs.
LSCE1120	Plane Surveying	3.5
LSCE1126	Basic Civil CAD	3.5
LSCE1130	Analysis for Land Surveyors	3.0
LSCE1220	Engineering Surveying	4.0
LSCE1226	Civil CAD II	3.5
LSCE1232	Highway Plan Reading	1.0
LSCE1320	Route and Construction Surveying	4.0
LSCE1326	Civil CAD III	3.5
LSCE2520	Geodetic Surveying	3.5
LSCE2526	Principles of Land Development	3.5
LSCE2620	Boundary Control and Legal Principles	3.5
LSCE2626	Advanced Civil CAD	4.0
LSCE2646	Civil CAD 3D	3.5
LSCE2667	Public Land Survey Systems	2.0
LSCE1230	Earthworks Inspection	3.0
LSCE1324	Concrete Inspection	3.0
LSCE2547	Applied GIS	3.5
		55.5 hours



One thing I really enjoyed about my experience at Southeast Community College was the industry-led curriculum. SCC goes to great lengths to ensure that its students are receiving the most current, and relevant, instruction based on the latest trends specific to their industry. SCC accomplishes this while still providing the appropriate academic background needed to fully appreciate and fully understand where our industry has come from, and where it is headed. SCC puts great emphasis on the latter, ensuring that students are well equipped to take part in the industry, and more importantly, well equipped to shape our industry. I greatly appreciate the Cooperative Education program that SCC provides. This program reserves enough time to allow students to participate in an internship setting. It also allows students to demonstrate the knowledge that they've learned in their first year of classroom instruction, while at the same time providing them with a unique perspective that helps shape their learning process during the final semester of classroom instruction. It is that commitment to hands-on learning that makes SCC such a valuable educational experience.



- Joe Sather, GIS Coordinator/Land Surveyor  
JEO Consulting Group, Wahoo, NE